REMARKS/ARGUMENTS

Claims 1, 3-8, 10, 11, and 13-16 are pending.

Applicant respectfully traverses the restriction requirement as inappropriate for the reasons set forth below. In addition, Applicant asserts that there would be no undue burden in examining these alleged two sets of claims, as the Examiner has defined. The fees for examination of these claims had been remitted in the filing of the national phase application under 35 U.S.C. 371. Applicant merely requests that he receive examination that he has paid for. Furthermore, the case had been examined *in toto* from the initial 371 filing until this office action.

For guidance, Applicant has reviewed the "International Preliminary Report on Patentability (dated 03 April 2006) of Application No. PCT/IB2004/051795," of published application WO 2005/031859) hereinafter, "IPRP," that corresponds to this national application. The IPRP noted no issues with a "Lack of Unity of Invention" with respect to the pending claims (claims 1-11); the IPRP concurs with the "observance of this requirement is checked by the International Searching Authority and may be relevant to the national (or regional) phase. (MPEP §1850), Paragraph I." The review made by WIPO regarding Applicant's invention showed no need to parse out claims 1-11 and found no undue burden in performing a search on these claims. Thus, the breaking up of the original claims 1-11 along with claims 13-16 (as proposed in this Office Action) is not really supported or is appropriate.

For convenience, a copy of this IPRP is enclosed, and follows the Remarks/Arguments.

In a regular U.S. national application, the framework of statutes and rules require the USPTO Examiner to make an Agency determination that independent or distinct inventions are claimed, and to support such determination by appropriate argument, reasoning, and facts.

However, in a U.S. national phase PCT entry (35 U.S.C. 371) the framework of statutes and rules require the USPTO Examiner to make an Agency determination that there is lack of Unity of Invention, according to the PCT Articles, Rules (13), and Administrative Instructions including Annex B. (U.S. Court Decision on point: Caterpillar Tractor Co. v. Commissioner of Patents and Trademarks, 650 F. Supp. 218, 231 USPQ 590 (E.D. Va. 1986))

Appl. No. 10/574,030 Docket No. NL03 1167 US2 Amdt. dated October 6, 2009 Response to Office Action dated September 18, 2009

Thus, the restriction requirement applied under 35 U.S.C. 121 is not appropriate. In light of the arguments presented, Applicant requests that the restriction requirement be withdrawn and the claims continue to be examined as a whole.

Applicant respectfully asserts that the claims are distinct over the prior art and that the application is in condition for allowance. Accordingly, a notice of allowance is earnestly solicited.

Please charge any fees other than the issue fee and credit any overpayments to Deposit Account <u>50-4019</u>.

Respectfully submitted,

Date: 06 OCT 2009 By: /Peter Zawilski/

Peter Zawilski, Reg. No. 43,305

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PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference PHNL031167WO	FOR FURTHER ACTION	See item 4 below			
International application No. PCT/IB2004/051795	International filing date (day/month/year) 20 September 2004 (20.09.2004)	Priority date (day/month/year) 30 September 2003 (30.09.2003)			
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237					
Applicant KONINKLIJKE PHILIPS ELECTRONICS N.V.					

 This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis. 1(a). This REPORT consists of a total of 6 sheets, including this cover sheet. In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead. This report contains indications relating to the following items: Box No. II Basis of the report Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application 4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).					
In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead. 3. This report contains indications relating to the following items: Box No. II Basis of the report	1.				
3. This report contains indications relating to the following items: Box No. I Basis of the report	2.	This REPORT consists of a total of 6 sheets, including this cover sheet.			
Box No. II Priority Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application 4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority					
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applicability Box No. IV Lack of unity of invention Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application 4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority		Box No. II	Priority		
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applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application 4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority		Box No. IV	Lack of unity of invention		
Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application 4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44 <i>bis</i> .3(c) and 93 <i>bis</i> .1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority		Box No. V			
Box No. VIII Certain observations on the international application 4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44 <i>bis</i> .3(c) and 93 <i>bis</i> .1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority		Box No. VI	Certain documents cited		
 The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority 		Box No. VII	Certain defects in the international application		
not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority		Box No. VIII	Certain observations on the international application		
	4.	not, except where the applicant n			

	Date of issuance of this report 03 April 2006 (03.04.2006)
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Idhir Britel
Facsimile No. +41 22 740 14 35	Telephone No. +41 22 338 70 60

Form PCT/IB/373 (January 2004)

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTH	iority		HEO'D U / FED 2003	
To:			PCT PCT	
see form PCT/ISA/220	7/4	WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet)		
Applicant's or agent's file reference see form PCT/ISA/220		FOR FURTHER ACTION See paragraph 2 below		
International application No. PCT/IB2004/051795	International filing date (a 20.09.2004	lay/month/year)	Priority date (day/month/year) 30.09.2003	
International Patent Classification (IPC) o H01L21/8247, H01L21/28, H01L2				
Applicant KONINKLIJKE PHILIPS ELECTF	RONICS N.V.			
1. This opinion contains indications relating to the following items: Box No. Basis of the opinion				
Name and mailing address of the ISA:		Authorized Officer	er lise he belanten.	



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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/IB2004/051795

	Box N	o. I Basis of the opinion		
1.	. With regard to the language , this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.			
	la	nis opinion has been established on the basis of a translation from the original language into the following nguage , which is the language of a translation furnished for the purposes of international search nder Rules 12.3 and 23.1(b)).		
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:			
	a. type of material:			
		a sequence listing		
		table(s) related to the sequence listing		
	b. form	nat of material:		
		in written format		
		in computer readable form		
	c. time	of filing/furnishing:		
		contained in the international application as filed.		
		filed together with the international application in computer readable form.		
		furnished subsequently to this Authority for the purposes of search.		
3.	ha co	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto is been filed or furnished, the required statements that the information in the subsequent or additional pies is identical to that in the application as filed or does not go beyond the application as filed, as propriate, were furnished.		
4.	Additio	nal comments:		

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/IB2004/051795

_	Po	No. II	Driority			
_	БО	C NO. II	Priority			
1.	1. ☐ The following document has not been furnished:				ed:	
			copy of the earlier a	applicatio	n whose p	riority has been claimed (Rule 43 <i>bis</i> .1 and 66.7(a)).
			translation of the ea	ırlier appl	ication wh	ose priority has been claimed (Rule 43bis.1 and 66.7(b)).
		Consecutive neverth	quently it has not been establisl	en possib ned on th	le to consi e assumpt	ider the validity of the priority claim. This opinion has tion that the relevant date is the claimed priority date.
2.		☐ This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 43 <i>bis</i> .1 and 64.1). Thus for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.				
3.		It has not been possible to consider the validity of the priority claim because a copy of the priority document was not available to the ISA at the time that the search was conducted (Rule 17.1). This opinion has nevertheless been established on the assumption that the relevant date is the claimed priority date.				
4. Additional observations, if necessary:						
			,	- Cu., .		
		t No. V ustrial a	Reasoned staten applicability; citatio	nent und ons and e	er Rule 43 explanatio	3 <i>bis</i> .1(a)(i) with regard to novelty, inventive step or one supporting such statement
1.		tement				
	Nov	oltu (NI)		V-5.	Oleimaa	
	INOV	elty (N)		Yes: No:	Claims Claims	1 - 11
				140.	Olalilis	1-11
	Inve	entive st	ep (IS)	Yes:	Claims	
				No:	Claims	1 - 11
	Indu	ıstrial a	oplicability (IA)	Yes:	Claims	1 - 11
				No:	Claims	
2.	Cita	tions ar	nd explanations			

see separate sheet

Re Item V.

- 1 The following documents are referred to in this communication:
 - D1: US-A-5 991 204 (CHANG ET AL) 23 November 1999 (1999-11-23)
 - D2: WO 00/51188 A1 (CHEN, CHIOU-FENG) 31 August 2000 (2000-08-31)
 - D3: DE 197 30 762 A1 (LG SEMICON CO., LTD., CHEONGJU, KR) 2 July 1998 (1998-07-02)
- 2 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claims 1 11 is not new in the sense of Article 33(2) PCT.
- 2.1 Independent claims 1 and 8

Document D1 discloses (the references in parentheses applying to this document): A method of manufacturing a 2-transistor memory cell (column 8, line 55 - c. 9, l. 57; fig. 6a - 7d) comprising a memory stack transistor and selection transistor with the following steps:

forming tunnel dielectric layer (ETOX (= EPROM tunnel oxide) process; c. 8, l. 55 - 56; fig. 7a);

forming the memory stack by providing a floating gate layer and a control gate layer (fig. 7a):

etching the CG layer to form the CG (fig. 7a);

forming spacers against CG (c. 8, I. 59 - 61; fig. 6a and 7a);

etching the FG layer by using the spacers as hard mask to form the FG (c. 8, l. 62 - 65; fig. 6b and 7b);

The subject-matter of claim 8 is the result of the manufacturing process of claim 1 therefore also disclosed by D1.

See also D2 (page 18, line 14 - p. 22, l. 5; fig. 13A - 13G) and D3 (c. 3, l. 40 - c. 5 l. 22; fig. 4A - 4E) disclosing the same subject-matter.

International application No.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING **AUTHORITY (SEPARATE SHEET)**

PCT/IB2004/051795

2.2 Dependent claims 2 - 7 and 9 -11 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty, the reasons being as follows:

D1 discloses further:

[claim 4] etch removal of the tunnel dielectric layer by using the spacers as hard mask at the location where the selecting transistor is to be formed (c. 9, l. 1 - 2; fig. 6b and 7b); [claim 5] providing FG dielectric (109; fig. 7c) and access gate dielectric (select gate oxide 126) at the same time (c.9, I. 39 - 41);

[claim 6] interlayer dielectric layer (fig. 7a) removing after forming of CG; [claim 7] forming the access gate (122 SG; fig. 7c) with present spacer (106);

[claim 10] a spacer thicker than the floating gate dielectric (109; see e.g. fig. 1e); and [claim 11] flash EEPROM device (title).

D2 discloses further the subject-matter of claims 2, 3 and 9 by teaching the formation of the spacer with silicon nitride as spacer material (146, page 19, l. 6 - 10).

The subject-matter of claims 1 - 11 appears to be industrially applicable (Article 3 33(4) PCT)